

S/N 10/583,991

FILE 'USPATFULL' ENTERED AT 14:23:05 ON 15 JUN 2007
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FILE 'USPAT2' ENTERED AT 14:23:05 ON 15 JUN 2007
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FILE 'CAPLUS' ENTERED AT 14:23:05 ON 15 JUN 2007
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FILE 'JAPIO' ENTERED AT 14:23:05 ON 15 JUN 2007
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=> d l3 28 ibib hit

L3 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1994:606130 CAPLUS
DOCUMENT NUMBER: 121:206130
TITLE: Preparation and characterization of
 α -benzyl- ω -vinylbenzyl polystyrene
macromonomer
AUTHOR(S): Tsukahara, Yasuhisa; Inoue, Jun; Ohta, Yoshinori;
Kohjiya, Shinzo; Okamoto, Yoshio
CORPORATE SOURCE: Department of Materials Science, Kyoto Institute of
Technology Matsugasaki, Kyoto, 606, Japan
SOURCE: Polymer Journal (Tokyo, Japan) (1994), 26(9), 1013-18
CODEN: POLJB8; ISSN: 0032-3896
DOCUMENT TYPE: Journal
LANGUAGE: English

AB α -Benzyl- ω -vinylbenzyl polystyrene
macromonomers of different mol. wts. were prepared by the
living anionic polymerization of styrene using
n-BuLi/tetramethylethylenediamine/PhMe ligand complex as initiator
followed by termination with vinylbenzyl chloride.
End group anal. of the macromonomer showed quant. introduction of the
 α - and ω -end groups. Anionic polymerization of the macromonomer with
s-BuLi provided polymacromonomer with narrow mol. weight distribution. The
central backbone as well as the branch chain ends of the polymacromonomer
have similar chemical structure to that of the constitutional repeating unit
of polystyrene. Thus, the macromonomer can provide useful model branched
polystyrene of regular structure.

IT 1592-20-7DP, p-Vinylbenzyl chloride, reaction products
with living polystyrene 9003-53-6DP, Polystyrene, vinylbenzyl-terminated
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation, characterization and polymerization of α -benzyl- ω -
vinylbenzyl polystyrene macromonomer)

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(FILE 'HOME' ENTERED AT 14:01:26 ON 15 JUN 2007)
SET PLURALS ON PERM
SET ABBR ON PERM

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:01:58 ON 15 JUN 2007
L1 111 SEA ABB=ON PLU=ON ((STYREN? OR POLYSTYREN?)(4A)(MACROMONOMER#
OR MACROMER#))(S)((LIVING OR CONTROLLED)(3A) POLYMER?)
L2 27 SEA ABB=ON PLU=ON L1 AND (LIVING OR CONTROLLED)(6A) RADICAL?
D L2 1-27 IBIB ABS
D L2 6 IBIB HIT

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FILE 'STNGUIDE' ENTERED AT 14:10:46 ON 15 JUN 2007

L3 FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:15:54 ON 15 JUN 2007
30 SEA ABB=ON PLU=ON L1 AND VINYL?(1W) CHLORIDE
D L3 1-30 IBIB ABS

FILE 'STNGUIDE' ENTERED AT 14:20:50 ON 15 JUN 2007

FILE 'USPATFULL, USPAT2, CAPLUS, JAPIO' ENTERED AT 14:23:05 ON 15 JUN 2007
D L3 28 IBIB HIT

FILE HOME

FILE USPATFULL

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HIGHEST APPLICATION PUBLICATION NUMBER: US2007136919
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

FILE USPAT2

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FILE CAPLUS

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FILE JAPIO

FILE LAST UPDATED: 27 APR 2007 <20070427/UP>
FILE COVERS APRIL 1973 TO JANUARY 25, 2007

>>> GRAPHIC IMAGES AVAILABLE <<<

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FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 8, 2007 (20070608/UP).

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.06

197.12

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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